#### Amendments to the Claims

This list of claims will replace all prior versions and listings of claims in this application.

#### Listing of Claims

- 1-19 (Cancelled)
- (Currently Amended)

A device for controlling a drawing process in a transfer press, with two tool parts which act in opposition to one another and between which a workpiece to be deformed is held and of which one tool part, in particular a negative mold, can be moved between two reversal points, of which tool parts the first is assigned to the commencement of a work cycle, by a mechanical crank mechanism driven at a constant rotational speed, and of which the second tool part, in particular a drawing cushion, is connected via a piston rod to the piston of a hydraulic differential cylinder, wherein the movement of the piston is controlled by the supply of pressure medium into a first chamber and by the discharge of pressure medium out of a second chamber of the differential cylinder, and in which, during a first time segment which extends within a range delimited by the first and the second reversal point, the rod-side face of the piston is acted upon by a pressure which is sufficiently high to accelerate the second tool part in such a way that, when the first tool part and the second tool part impinge one onto the other, both tool parts move at virtually the same speed, and in which a controllable throttle arranged between a bottom-slide chamber of the differential cylinder and a tank determines the pressure in the bottom-side chamber, wherein, in a second time segment ( $\Delta t_3$ ) which follows the first time segment ( $\Delta t_2$ ) and extends until the second reversal point (UT) is reached, the rod-side face (A<sub>t</sub>) of the piston (16; 56) is acted upon by a second pressure (p<sub>sN</sub>) which is lower than the pressure (psH) during the first time segment ( $\Delta t_2$ ), further comprising two pressure accumulators (27, 31), of which one (27) is charged to the first pressure (pst) and the second (31) is charged to the second pressure (p<sub>sN</sub>), and wherein the action of pressure medium

upon the rod-side chamber (15s; 55s) at the differential cylinder (15; 55) takes place from the same pressure accumulator (27, 31) which is charged to the pressure ( $p_{aH}$ ,  $p_{aN}$ ) provided for the respective time segment ( $\Delta t_2$ ,  $\Delta t_3$ ,  $\Delta t_4 \pm \Delta t_5$ ).

#### (Previously Presented)

The device as claimed in claim 20, wherein the rod-side face  $(A_t)$  of the piston (16; 56) is acted upon by the first pressure  $(p_{sH})$  again in a third time segment  $(\Delta t_4 + \Delta t_5)$  of the work cycle, which third time segment commences with the reversal in the direction of movement of the crank mechanism (13) and ends at the latest at the time point  $(t_6)$  in which the crank mechanism (13) reaches the first reversal point (OT).

### (Previously Presented)

The device as claimed in claim 20, wherein the rod-side face ( $A_r$ ) of the piston (16; 56) is acted upon, further, by the second pressure ( $p_{SN}$ ) in a third time segment ( $\Delta t_1 + \Delta t_5$ ) of the work cycle, which third time segment commences with the reversal in the direction of movement of said piston and ends at the latest at the time point ( $t_6$ ) at which the crank mechanism (13) reaches the first reversal point (OT),

### (Cancelled)

# 24. (Currently Amended)

The device as claimed in claim 20 23, wherein the second pressure accumulator (31) is connected to the rod-side chamber (15s; 55s) of the differential cylinder (15; 55) via a nonreturn valve (39).

# 25. (Previously Presented)

The device as claimed in claim 24, wherein there is arranged, in the line (42; 53) leading to the bottom-side chamber (15b; 55b<sub>a</sub>) of the differential cylinder (15; 55), a proportional valve (35; 51) which serves as a controllable throttle and which controls the flow of pressure medium from one of the pressure accumulators (27, 31) to the bottom-side chamber (15b; 55b<sub>a</sub>) of the differential cylinder (15; 55) and from this chamber to the tank (26).

#### (Currently Amended)

The device as claimed in claim  $\underline{20}$   $\underline{23}$ , wherein a first pump (25; 65) maintains the pressure ( $p_{sH}$ ) in the first pressure accumulator (27), and a second pump (30) maintains the pressure ( $p_{sN}$ ) in the second pressure accumulator (31).

# (Previously Presented)

The device as claimed in claim 26, wherein the pumps (25, 30) are fixed-displacement pumps, and pressure cutoff valves (28, 32) are arranged respectively between a pump (25, 30) and the corresponding pressure accumulator (27, 31).

# (Previously Presented)

The device as claimed in claim 26, wherein the pumps (65) are variable-displacement pumps.

#### 29. (Currently Amended)

The device as claimed in claim 20 23, wherein there is arranged between the first pressure accumulator (27) and the rod-side chamber (15s; 55s) of the differential cylinder (15; 55) a valve

(36; 52) which controls the pressure medium flow and the outlet connection of which issues into the line (40, 41) leading from the nonreturn valve (39) to the rod-side chamber (15s; 55s).

## (Previously Presented)

The device as claimed in claim 29, wherein the valve arranged between the first pressure accumulator (27) and the rod-side chamber (15s; 55s) of the differential cylinder (15; 55) is a switching valve (36).

## (Previously Presented)

The device as claimed in claim 29, wherein the valve arranged between the first pressure accumulator (27) and the rod-side chamber (15s; 55s) of the differential cylinder (15; 55) is a proportional valve (52).

# 32. (Previously Presented)

The device as claimed in claim 25, wherein the bottom-side face of the piston (56) of the differential cylinder (55) is divided into two part faces  $(A_{ba}, A_{bi})$  of different size, which are acted upon by pressures  $(p_{ba}, p_{bi})$  of different magnitude, that the pressure  $(p_{ba})$  which acts upon the larger part face  $(A_{ba})$  is controlled by the proportional valve (51), and that the pressure  $(p_{bi})$  which acts upon the smaller part face  $(A_{bi})$  is controlled by a hydraulic machine (70) controllable continuously from pump operation to motor operation.

# 33. (Previously Presented)

The device as claimed in claim 32, wherein the piston (56) of the differential cylinder (55) is provided with a bore (57), into which a piston (58) fixed with respect to the housing engages, and that the supply of pressure medium to the inner bottom-side chamber (55b<sub>i</sub>) formed from the bore (57) and the piston (58) fixed with respect to the housing takes place via a duct (59) in the piston (58) fixed with respect to the housing.

## 34. (Previously Presented)

The device as claimed in claim 32, wherein an electric motor (62) driven the pumps (30, 65) and the hydraulic machine (70) via a common shaft (63, 66), and that a flywheel mask (64) is connected to the shaft (63).

## 35. (Previously Presented)

The device as claimed in claim 32, wherein the pressure  $(p_{bi})$  which acts upon the smaller part face  $(A_{bi})$  is controlled such that it is lower than the first pressure  $(p_{bi})$  in the first time segment  $(\Delta t_2)$  and is equal to the second pressure  $(p_{bN})$  in the second time segment  $(\Delta t_3)$ .

# 36. (Previously Presented)

The device as claimed in claim 35, wherein the pressure  $(p_{bi})$  which acts upon the smaller part face  $(A_{bi})$  is controlled such that it is equal to the first pressure  $(p_{ath})$  in the third time segment  $(\Delta t_4 + \Delta t_5)$ .

# 37. (Previously Presented)

The device as claimed in claim 32, wherein the hydraulic machine (70) is controlled to tank conveyance between the reversal point (OT) assigned to the commencement ( $t_0$ ) of the work cycle and the commencement ( $t_1$ ) of the first time segment ( $\Delta t_2$ ).

# 38. (Previously Presented)

The device as claimed in claim 33, further comprising a further nonreturn valve (75) arranged between the second pressure accumulator (31) and the line (73) leading from the hydraulic machine (70) to the inner bottom-side chamber (55b<sub>t</sub>) of the differential cylinder (55).